Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2011-10-26
Investment Auto Submission Date: 2012-02-23
Date of Last Investment Detail Update: 2012-02-23
Date of Last Exhibit 300A Update: 2012-03-13
Date of Last Revision: 2012-03-13

Agency: 007 - Department of Defense **Bureau:** 17 - Department of the Navy

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: JOINT PRECISION APPROACH AND LANDING SYSTEM

2. Unique Investment Identifier (UII): 007-000006189

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The Joint Precision Approach and Landing System (JPALS) is a Global Positioning System/Inertial Navigation System based system that will provide a rapidly deployable, adverse weather, adverse terrain, day-night precision approach and landing capability for all Department of Defense (DoD) ground and airborne systems. It is a Navy-led joint program with the Air Force and Army. The sea-based JPALS will replace the obsolete SPN-46 and SPN-35 radar systems. JPALS Increment 1A is an Major Defense Acquisition Program Aircraft Category (ACAT) 1D program, which includes the development, integration, installation, and testing of the sea-based system and is currently the only active increment for the JPALS program. Specific FY12 accomplishments will include delivery of six of eight planned Engineering Development Model (EDM)s, delivery of three Avionics Test Kits, and completion of initial flight test of JPALS. These are critical steps towards the JPALS, Increment 1A ship system, reaching Initial Operational Capability (IOC) in 2014. Furthermore, JPALS is an ACAT ID MDAP Weapons System that does not meet the criteria of a MAIS program per the DoD 5000.02 or the definition of an IT information system per DITPR DON Guidance as referenced above. All statutory program unit cost reporting, as well as Acquisition Program Baseline cost, schedule and performance reporting to Congress, OSD, and DoN commenced Sep 2008 as required of an ACAT ID MDAP Weapons System. Therefore, the JPALS Program requests deletion from the EX300 initiative.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The JPALS Increment 1A Ship System Program, currently in the Engineering and Manufacturing Development Phase, will provide the first increment of a single joint interoperable landing system that operates from civil and military airfields and fully supports unmanned aircraft requirements and auto-land capability for operational forces. JPALS Increment 1A addresses the following capability gaps as documented in the Precision Approach and Landing System Capability (PALC) Initial Capabilities Document (ICD), JROCM208-05, 19 Sep 2005. • Sea-based aircraft approach and landing operations. The next generation carrier design and the need to support the Joint Strike Fighter (JSF) and Unmanned Aircraft System (UAS) drive JPALS requirements and schedule. • Most currently fielded radar based landing systems are reaching the end of their life cycles and have become difficult to support.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

JPALS Increment 1A accomplishments in the prior year: • Navy Gate 6 Review: 29 Aug 2011 • Successful Landing Helicopter Dock (LHD) 1 USS Wasp Sensor Data Collection completed 22 July JPALS Increment 1A Program Highlights: • Development proceeding successfully and near baseline schedule for completion • Software integration complete • Algorithm validation complete • Hardware technical/configuration design baseline established • EDM2 Final Cabinet Integration complete – delivery to Naval Air (NAVAIR) in October.

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

- JPALS Increment 1A Technical Readiness Review (TRR) completed. - JPALS Increment 1A Capability Production Document (CPD) completed. - JPALS Increment 1A Production Readiness Review (PRR) completed. - JPALS Increment 1A Milestone C completed.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2010-04-14

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$82.7	$26.6	$41.9	$58.0
DME (Excluding Planning) Costs:	$328.5	$134.8	$107.5	$127.0
DME (Including Planning) Govt. FTEs:	$77.9	$10.8	$10.8	$10.4
Sub-Total DME (Including Govt. FTE):	$489.1	$172.2	$160.2	$195.4
O & M Costs:	$0.0	$0.0	$0.0	$0.0
O & M Govt. FTEs:	$0.0	$0.0	$0.0	$0.0
Sub-Total O & M Costs (Including Govt. FTE):	0	0	0	0
Total Cost (Including Govt. FTE):	$489.1	$172.2	$160.2	$195.4
Total Govt. FTE costs:	$77.9	$10.8	$10.8	$10.4
# of FTE rep by costs:	566	100	100	98
Total change from prior year final President's Budget ($)		$-16.7	$-22.0	
Total change from prior year final President's Budget (%)		-9.00%	-12.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

Army Headquarters made funding cuts to the CY JPALS Army funding in the amount of $26.574M. Army PY funding cuts are in the amount of $0.7M. Navy PY funding cuts are in the amount of $2M. This was an Navy directed adjustment for a higher priority.

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded		N0017804D4016									
Awarded		N0001908C0034									

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:
N/A, JPALS is complying with DoD acquisition policy.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2011-10-26

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
P6189-101	Joint Precision Approach and Landing System (JPALS) Increment 1A	The Joint Precision Approach and Landing System (JPALS) program is a Joint Program with Tri-Service partners for acquisition of JPALS including the Navy Program Executive Office, Tactical (PEO(T))/Program Manager, Air (PMA213), Patuxent River, MD, Air Force (653rd Electronic Systems Wing (653 ELSW)), Hanscom Air Force Base (AFB), MA), and Army (PEO Aviation, Redstone Arsenal, AL). JPALS is a Global Positioning System (GPS)-based precision approach and landing system that will replace several aging and obsolete aircraft landing systems with a family of systems that is more affordable and will function in more operational environments, and support all Department of Defense (DoD) Land and Sea Based applications. The National Defense Strategy of the United States of America calls for highly			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
		mobile forces that can rapidly respond to crises worldwide. Success in meeting this challenge requires the ability to land aviation assets virtually anywhere, at any time. JPALS will provide this capability by being rapidly deployable, survivable and interoperable among the U.S. Services and with U.S. allies, as well as with civil aircraft and landing facilities. JPALS will eventually support unmanned and highly automated aircraft, and will be able to operate during restricted Emission Control (EMCON) conditions. The approved JPALS Acquisition Strategy has acquisition broken into seven increments, based on technology maturity and Service needs. Increment 1 Sea Based JPALS is separated into two phases; Increment 1A ship based systems and Increment 1B aircraft integration. Navy is the lead for Increments 1A and 1B only.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
P6189-101	Joint Precision Approach and Landing System (JPALS) Increment 1A							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
P6189-101	JPALS Development Contract	The current contract quantity of 13 consists of eight Engineering Development Model (EDM) units and five non-end item representative Avionics Test Kits (AVTKs).	2014-06-30	2014-06-30		2,114	0	0.00%

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
NONE								